

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 7. (canceled).
8. (new): A front-loading syringe support device for an angiographic injector, the device being adapted to be secured to the front face of the injector and to position an angiographic syringe having a body presenting an outwardly-directed projection, the cross-section of the body at the location of said projection being non-circular, the device including a recess that is open in a reception direction, in particular upwards, and presents firstly a non-circular cross-section that is complementary to a portion of the cross-section of the syringe body at the location of said projection, and secondly a front face for coming into abutment against said projection, the device being extended forwards by a cradle for supporting the syringe body, wherein the recess includes a central portion that is circularly arcuate in cross-section, and that is extended by two diametrically-opposite notches.
9. (new): A support device according to claim 8, wherein said central portion extends the inside surface of the cradle.
10. (new): A support device according to claim 8, wherein each notch is connected to the central portion via a cam-forming convex curved surface.
11. (new): A support device according to claim 8, wherein the recess is rearwardly open.

12. (new): An angiographic injection device comprising:

an angiographic syringe having a body provided with an outwardly-projecting projection, the cross-section of the body at the location of said projection being non-circular, said projection being constituted by two diametrically-opposite tabs, each of which is adapted to be received in one of the notches in such a manner as to be positioned thereby; and

a syringe support device according to claim 8.

13. (new): An angiographic injection system of the type comprising an angiographic injector having an axially-movable pusher, at least one angiographic syringe including a piston provided with means for releasably coupling with the front head of the pusher, and releasable means for securing the syringe to the front face of the injector, the system further comprising at least one angiographic injection device according to claim 12, the syringe support device being secured to the front face of the injector.

14. (new): An injection system according to claim 13, wherein, starting from the position in which the syringe is secured, the system is arranged in such a manner that turning the syringe through 90° causes it to be lifted by one of the tabs co-operating with the bottom of the associated notch and the piston and the pusher being disconnected, the syringe then being removable in a forward direction even if the pusher is engaged inside the body of the syringe.

15. (new): An angiographic injection system according to claim 13, wherein the support device is rearwardly open, and wherein the front face of the injector forms the rear face of the recess.

16. (new): An angiographic injection system according to claim 13, wherein the head of the pusher and the piston comprise between them an undercut peg and a slot that is open in said reception direction or in the opposite direction such that when the pusher is in the retracted position, putting the projection of the syringe into place in the recess by moving in the direction opposite to said reception direction causes the peg to be inserted into the slot.